

CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

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 Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
 THE APPRAISAL OF CONTENT IS TENTATIVE.
 (FOR KEY SEE REVERSE)

1. At the end of October 1954, the following tubes were under development in the experimental and development laboratory, under the direction of Dipl.-Ing Baer (fnu), of VEB Funkwerk Erfurt;
 - a. VRS-402 an experimental transmitter tube, patterned after the standard, high-output USA and Dutch Philips type which has been in existence for some time. Although 138 trial specimens had been made, only 17 of them were usable, and even these were not up to a standard justifying series production.
 - b. GRS-321 a rectifier tube for transmitters. This was not a copy, but an original development of Dipl.-Ing. Baer. The experimental stages had been successfully completed and the tube was shortly to go into production. 25X1
 - c. Oscillograph tube a tube of widespread application in the field of high-frequency measuring. Development and trial production had been completed and an initial run of 200 was proposed.
2. At the same date, current production was concentrated on three types of 4.5 kilowatt transmitter tubes, VRS-401, VRS-321 and VRS-201.
3. In the course of current production, difficulties were being experienced with the supplies of molybdenum sheet, tungsten wire, silver solder, various sorts of copper, and screws. The plant used to obtain the first three items, in a round-about way when this became impossible, supplies were obtained from the USSR, but these were of a very inferior quality. In particular, the Russian molybdenum sheet had been found to fall short of the plant's requirements, in that it was too brittle and therefore difficult to process.

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